

What is claimed is:

1. A vehicular remote control system comprising:

a portable device side first receiver which carries out reception at a first frequency, a portable device side transmitter which carries out transmission at a second frequency, and a portable device side second receiver which carries out reception at the second frequency, are each provided on a portable device side; and

a vehicle side first transmitter which carries out transmission at the first frequency, a vehicle side second transmitter which carries out transmission at the second frequency, and a vehicle side receiver which carries out reception at the second frequency, are each provided on a vehicle side,

the vehicle side first transmitter transmitting a request signal; the portable device side transmitter transmitting an identification signal when the portable device side first receiver receives the request signal; the vehicle side second transmitter transmitting an interrogation signal when the vehicle side receiver receives and authenticates the identification signal; the portable device side transmitter transmits a response signal when the portable device side second receiver receives the interrogation signal; operation of a device on the vehicle being permitted when the vehicle side receiver receives and authenticates the response signal,

wherein, when the vehicle side second transmitter or the portable device side second receiver breaks down, transmission and reception of the interrogation signal is carried out using the vehicle side first transmitter and the portable device side first receiver.

2. The vehicular remote control system according to claim 1, wherein when the vehicle side receiver does not receive the response signal until a predetermined period of time has elapsed since the vehicle side second transmitter transmitted the interrogation signal, a determination is made that the vehicle side second transmitter or the portable device side second receiver has broken down.

3. The vehicular remote control system according to claim 1, wherein the second frequency is higher than the first frequency.